

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) A guided punch, comprising:
a sharp, extendible guide wire; and
a hollow punch mechanism adapted to ride on the guide wire, wherein said guide wire is adapted to extend from said punch.
2. (original) A punch according to claim 1, wherein said punch is a rotating punch.
3. (original) A punch according to claim 1, wherein said punch is an axially moving punch.
4. (original) An anastomotic connector,
comprising:
a cylinder-like body; and
at least one set of spikes, coupled to said body by twisting joints.
5. (original) A connector according to claim 4, wherein said twisting joints comprise at least one torsion bar.

6. (original) A connector according to claim 4, wherein said twisting joints comprise at least one bend area.

7. (original) A medical graft delivery system, comprising:

a tubular element for delivering a graft through a bore thereof and having a delivery end, said end being prone to distortion; and

at least one collar removably encircling said delivery end, which collar prevents said distortion.

8. (original) A system according to claim 7, wherein said tube comprises weakened portions at or adjacent said delivery end.

9. (original) A system according to claim 7, comprising an anastomotic connector preloaded in said delivery end and applying outward forces against said end.

10. (original) A system according to any of claims 7-9, wherein said at least one collar comprises at least two collars.

11. (original) A method of sealing an opening between two blood conduit lips, comprising:

providing a clip;

first retracting a first lip into said clip; and

second retracting a second lip into said clip.

12. (original) A method according to claim 11,
comprising closing said clip to seal said opening.

13. (original) A method according to claim 12,
wherein closing comprises releasing said clip to selfdeform.

14. (original) A method according to claim 12,
wherein closing comprises plastically deforming said clip.

15. (original) A method according to any of claims
11-14, wherein said two lips are lips of different conduits.

16. (original) A method according to any of claims
11-14, wherein at least one of the conduits comprises a
blood vessel.

17. (original) A reducing profile anastomotic
connector, comprising:

a ring section;

a spikes section comprises a plurality of spikes,
wherein said spikes section defines a collapsing portion,
for axial collapsing of said spikes section.

18. (original) A connector according to claim 17, wherein said collapsing portion buckles.

19. (original) A connector according to claim 17, wherein said collapsing portion twists.

20. (original) A connector according to claim 17, wherein said collapsing portion folds out.

21. (original) A connector according to any of claims 17-20, wherein said collapsing portion selfdeforms.

22. (original) A connector according to any of claims 17-20, wherein said collapsing portion plastically deforms.

23. (Previously Presented) A delivery system for an anastomosis connector, comprising:

a body including a handle for applying force;

a connector holder area defined at a distal end of said body and adapted for holding an anastomosis connector, wherein said force is transferred to said area for deploying said connector; and

a non-limp geometry changing elongate section bridging between said body and said area.

24. (Previously Presented) A system according to claim 23, wherein said elongate section is distortable.

25. (Previously Presented) A delivery system for an anastomosis connector, comprising:

a body including a handle for applying force;

a connector holder area defined at a distal end of said body and adapted for holding an anastomosis connector, wherein said force is transferred to said area for deploying said connector; and

a control for selectively advancing a plurality of tissue engaging elements from said connector holder area, said control being separate from said handle for applying force.

26. (Previously Presented) A system according to claim 25, wherein said control is mounted on a separate capsule element that includes said connector holder area.

27. (Previously Presented) A system according to claim 25, wherein said tissue engaging elements form part of a connector.

28. (Previously Presented) A system according to claim 25, wherein said tissue engaging elements form part of said delivery system.

29. (Previously Presented) A method of forming an aperture in a blood vessel, comprising:

inserting a penetration head into a wall of a blood vessel; and

advancing a cutting base against said blood vessel while not applying a contra force to said blood vessel via said penetration head.

30. (Previously Presented) A method according to claim 29, wherein advancing comprises advancing using rotational motion.

31. (New) A method of guiding hooks of an anastomotic connector into an aperture of a blood vessel, comprising:

surrounding said hooks with a mechanical element that compresses them towards each other;

inserting said compressed hooks into an aperture of a blood vessel; and

releasing said hooks.

32. (New) A method according to claim 31, wherein surrounding comprises protecting said hooks from tissue adjacent said vessel.

33. (New) A method according to claim 31, wherein surrounding comprises inserting said hooks into a guide.